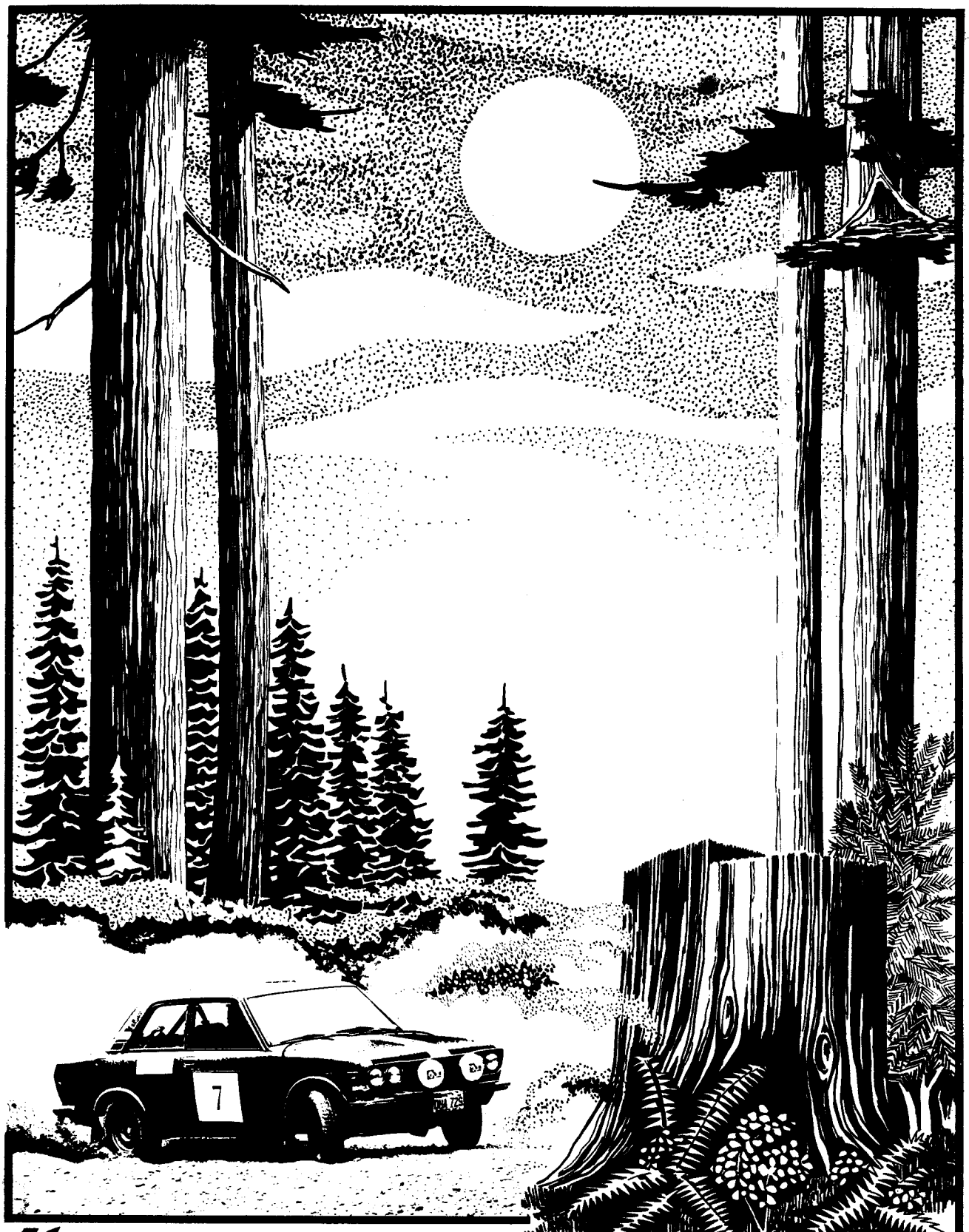


Rainier AUTO SPORTS CLUB

NOR'WESTER

NATIONAL PRO AUTO RALLY

1978 NOR'WESTER
STAGE SUMMARY AND SCHEDULE

FIRST CAR EXPECTED	STAGE NAME	MILES	TRANSIT MILES & TIME
5:00 pm	***(START)**********		
			12.8, 25 minutes
5:25	1) Lake Creek	2.1	
			.4, 10 minutes
5:40	2) Rattlesnake Mtn	6.6	
			.5, 20 minutes
6:15	3) Raging River	4.7	
			10.2, 25 minutes
6:50	4) Tokul Creek	5.6	
			.6, 5 minutes
7:10	5) 3800	4.0	
			4.4, 10 minutes
7:30	6) 3700 - J Line	9.2	
			1.3, 5 minutes
7:50	7) 2300	4.3	
			5.8, 30 minutes
8:30	8) Lake Hancock	6.1	
			13.7, 35 minutes
9:20	9) Cascade Lookout	7.2	
			9.1, 20 minutes
9:55	10) Lynch Lake	2.6	
			.7, 5 minutes
10:10	11) Haystack Mtn	14.2	
			4.1, 10 minutes
10:40	12) Proctor Creek	4.7	
			6.8, 20 minutes
11:10	13) Deer Creek	3.8	
			1.5, 10 minutes
11:30	***(DINNER & SERVICE BREAK)**********		
			1.5, 10 minutes
1:10 am	14) Deer Creek	3.8	
			6.1, 10 minutes
1:30	15) Proctor Creek Up	4.7	
			4.1, 10 minutes
1:50	16) Haystack Back	18.5	
			1.1, 10 minutes
2:30	17) Lynch Lake	2.6	
			10.1, 20 minutes
2:55	18) Cascade Lookout	7.2	
			9.2, 25 minutes
3:30	19) Lake Hancock	6.1	
			6.8, 30 minutes
4:10	20) 3700 - J Line	9.2	
			.7, 5 minutes
4:30	21) 2100	4.5	
			4.7, 10 minutes
4:50	22) 3800	4.0	
			.5, 5 minutes
5:05	23) Tokul Creek	6.1	
			17.6, 40 minutes
6:00	***(FINISH)**********		

Stage mileage 142, transit 134 = 276 total miles

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
				Welcome to the 1978 Nor'wester. You have 25 minutes to reach the Lake Creek start control 12.78 miles from here.
		0.00		L at STOP from Holiday Inn
		.07		L
		.41		L after "SPOKANE" onto I-90 East
		2.82		"MILE 18"
25 minutes		8.86		"MILE 24"
		9.93		"ECHO GLEN"
		10.16		BR toward Tacoma, then R at YIELD
		10.63		L after "+" on S.E. 104th
		10.68		BR on gravel toward bridge
		11.57		S, stay on main road
		12.78		Stage 1 Start (Lake Creek)
	.57	13.35		HPR, caution narrow with drop-off
	.13	13.48		HPL
	.78	14.26		KR
	.43	14.69		KL

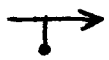
Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.24	14.93		End Stage
10 minutes		15.21 /0.00		L up hill
		.11		Stage 2 Start (Rattlesnake Mtn)
	.43	.54		KR then HPR
	.55	1.09		HPL
	.31	1.40		Caution, road goes right over crest
	.52	1.92		Caution, keep right over crest
	.21	2.13		BR
	.60	2.73		HPR
	.16	2.89		KR, then S
	.27	3.16		Caution exposure on right
	.33	3.49		AL <u>immediately</u> after crest!
	.17	3.66		KR along fence, then BR down hill
	.29	3.95		Caution, road becomes much tighter for the next 2 miles.

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.96	4.91		Caution over crest. Road jogs right through mud, bad exposure on left.
	.29	5.20		Caution exposure, keep right over crest!
	.13	5.33		Caution! turn right over crest, exposure
	1.36	6.69		End Stage
20 minutes		6.87 /0.00		First cars wait here for pace car, please stay in line.
		.32		Stage 3 Start (Raging River)
	.41	.73		L
	.24	.97		L
	.27	1.24		BL
	.78	2.02		KL
	.17	2.19		BL, then L
	.16	2.35		KR
	.44	2.79		HPR
	.72	3.51		S
	.78	4.29		L

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.16	4.45		HPR
	.09	4.54		HPL, caution bad drop-off
	.49	5.03		End Stage
25 minutes		7.16		Bridge Service crews are here but very little extra time is allowed.
		7.28 /0.00		R at STOP
		.13		R onto I-90 East, then move to left lane
		1.63		BL toward Snoqualmie
		3.09		L toward Snoqualmie Falls, then KR
		3.79		L at STOP, please watch your speed
		5.64		AR on Tokul Rd. (2nd opp after bridge)
		5.72		KL
		7.01		L toward "DEAD END"
		7.34		R onto gravel at "1000"
		7.46 /0.00		Gate
		.49		L
		.54		Stage 4 Start at gate (Tokul Creek)

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.17	.71		S
	.25	.96		R
	.50	1.46		R
	.16	1.62		KR
	.24	1.86		AR, hard to see
	.48	2.34		L
	.39	2.73		KR at "1000"
	.36	3.09		KR at "1320"
	.25	3.34		KL
	.91	4.25		S at "1340"
	.88	5.13		KR
	.55	5.68		R
	.46	6.14		End Stage
		6.18		R

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
5 minutes		6.33		Bridge
		6.37		AL
		6.72		Stage 5 Start (3800)
	.69	7.41		KL
	.06	7.47		R, comes up quickly
	2.55	10.02		BL
	.57	10.59		KL
	.12	10.71		End Stage
10 minutes		10.80		R on Mainline
		15.08 /0.00		R to 3700
		.06		Stage 6 Start (3700-J Line)
	.48	.54		KL
	1.07	1.61		Rough
	1.10	2.71		BL, road deteriorates (If it's raining please translate "BL down stream")
	.59	3.30		Caution! Large mud hole

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	2.24	5.54		BL caution BUMP, then L and relax
	.56	6.10		KL
	3.19	9.29		End Stage
5 minutes		9.41		Gate, then L on Mainline. Caution, cross traffic.
		10.62 /0.00		BR on 2300
		.11		KR, Stage 7 Start (2300)
	.20	.31		BL
	1.20	1.51		R
	.62	2.13		KL
	.47	2.60		L
	1.00	3.60		R
	.19	3.79		L
	.62	4.41		End Stage
		4.67		KR, then R on Mainline
		7.40		R to Spur 10 gate (controlled) Service area, 20 minutes allowed

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
		7.53 /0.00		S at STOP across county road
		.02		Gate (controlled), then follow Mainline
		1.22		KR
30 minutes		1.32		Bridge
		1.39		BR
		1.97		Bridge
		2.66		KL, Stage 8 Start (Lake Hancock) Deceptive in places, watch cautions!
	.97	3.63		Caution, jog to left over crest
	.84	4.47		KL
	.64	5.11		Caution quick right after left jog
	.39	5.50		KL
	.30	5.80		Caution sweep right
	.76	6.56		KL, then sweep right, exposure
	.20	6.76		KL
	.15	6.91		L at "4250"

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.25	7.16		KL at "4260"
	.18	7.34		Caution hard right, exposure on left
	.43	7.77		KR at "4270"
	.10	7.87		S
	.13	8.00		L
	.27	8.27		YUMP, caution landing uphill
	.33	8.60		KL
	.19	8.79		End Stage, caution exposed next mile
		10.18		HPL, caution!
		10.61		KL
		11.01		BL
		11.36		KL
		11.59		KR
35 minutes		12.21		KL
		13.51		S, caution opposing traffic
		13.60		Bridge

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
		14.93		Gate (controlled), then S
		15.04		Spur 10 gate (controlled) Service area, 10 minutes allowed
		15.05		R on Mainline
		19.99		KR
		20,16 /0.00		BR off Mainline onto spur 30
		1.08		BR
		1.33		S
		2.32		BL
		2.37		Stage 9 Start (Cascade Lookout)
	.36	2.73		BL
	1.77	4.50		KL
	.31	4.81		Exposure
	.38	5.19		BR into right sweeper
	.77	5.96		AL !
	1.45	7.41		Deceptive left, caution exposure!!
	.25	7.66		Deceptive left, bad exposure !!

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.54	8.20		KR into HPR
	1.41	9.61		End Stage
		9.71		BR, opposing traffic
		9.94		KL
		11.01		BR, then R on Mainline
		15.71		KL
20 minutes		15.90		Bridge, caution dangerous approach!
		16.01		BR, then KL
		17.46		Bridge
		18.26		KL
		18.66 /0.00		BL, hard to see
		.08		Stage 10 Start (Lynch Lake) Rough and very wet
	.96	1.04		Rough next .2 mile
	.29	1.33		BR
	1.31	2.64		End Stage
		2.73		R

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
5 minutes		3.04 /0.00		Bridge
		.07		BR
		.32		Stage Start (Haystack Mountain) Long, rough in places. On this stage only, we will use channel 9 rather than 18 for emergency control. Ask for "Haystack Radio Watch".
	.98	1.30		Exposure on left
	1.77	3.07		BL on spur 63
	.77	3.84		KL, then KR
	.74	4.58		KL
	.19	4.77		KR
	.16	4.93		KL at "44"
	.87	5.80		KR
	1.14	6.94		KR
	.64	7.58		R at "SL-H-1511", comes up quickly
	.23	7.81		BR
	3.61	11.42		L

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.14	11.56		KL
	.77	12.33		Caution exposed next 2 miles
	.36	12.69		Stay left, caution
	.65	13.34		HPR
	.78	14.12		HPL
	.38	14.50		End Stage, please return to channel 18
		14.58		Bridge
		14.74/ 0.00		L on Mainline (NOTE: Cars DNF'ed or time barred will not be allowed out this way. Please turn R and follow Mainline back to Spur 10 gate area if quitting.)
10 minutes		1.00		L on Proctor Creek road
		2.08		Gate (controlled)
		2.24		KL
		2.49		Bridge
		3.88		Stage Start (Proctor Creek)
	.71	4.59		R
	.06	4.65		Bridge

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.62	5.27		Rough HPL, exposed on right
	.21	5.48		KR
	3.13	8.61		End Stage
		8.73		L on Hwy 2 West
		12.56		R to gasoline at Woody's Service You have about 10 minutes for gas here. If more work is necessary make arrangements now and you can return easily during dinner.
		12.56		U-turn back onto Hwy 2 eastbound
20 minutes		12.86		L onto Reiter Rd.
		13.68		S onto gravel
		14.66		S, follow main road (Quiet Zone if campers or vehicles are present)
		14.86		KR on main road
		15.40		Stage 13 Start (Deer Creek)
	.76	16.16		HPR
	.31	16.47		KR
	.10	16.57		R
	2.57	19.14		End Stage, then R across R X R

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
10 minutes			20.16	Begin Quiet Zone at "SPEED LIMIT 25"
			20.28	L
			20.60	L to dinner break at the Bush House (Yes it really is a restaurant)
				Please time in at the Main Time Control inside, out times will be posted later- first cars will have 90 minutes or so. Dinner is free with the tickets from your entrant's packet ($3.50 otherwise), but the tip is not included. Scores will be posted as available. To reach Woody's Service from here: go across the metal bridge, R at STOP, and R at STOP on Hwy 2. (Total of 7 miles)
10 minutes			0.00	U-turn and return up Index Ave.
			.26	L on Second St
			.33	R on Avenue A
			1.40	R up hill over R X R, end Quiet Zone
			1.44	L, Start Stage 14 (Deer Creek)
	.51		1.95	Caution quick chicane
	.24		2.19	KR then YUMP
	1.84		4.03	L

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.39	4.42		HPL
	.75	5.17		End Stage
		5.73		KL on main road
10 minutes		5.88		KL at clearing, stay on main road
		6.92		S at STOP on pavement
		7.73		L at STOP on Hwy 2 East
		11.26		R after "NO NAME CREEK"
		11.34 /0.00		Gate
		.04		Stage 15 Start (Proctor Creek Up)
	3.41	3.45		BR
	.54	3.99		Bridge
	.07	4.06		KL
	.68	4.74		End Stage
		6.17		Bridge
		6.58		Gate (controlled)

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
10 minutes		7.64		BR
		8.64/ 0.00		R off Mainline
		.15		Bridge
		.19		Stage 16 Start (Haystack Back) Very long, quite rough in places. For emergency use channel 9 ("Haystack Radio Watch") again.
	.39	.58		HPR
	.79	1.37		HPL
	.44	1.81		KR
	.22	2.03		Stay right, exposure
	.89	2.92		KL then KR
	.38	3.30		R
	.45	3.75		S
	.13	3.88		S, rough
	.21	4.09		S
	.88	4.97		KL

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	1.19	6.16		S
	.72	6.88		BL
	.27	7.15		L
	2.80	9.95		AR, hard to see
	.44	10.39		KR
	.10	10.49		Rough next .10 mile
	.34	10.83		KL then S
	.40	11.23		Rough through corner
	.41	11.64		BR, then rough
	.22	11.86		KL
	1.45	13.31		KL
	.88	14.19		S
	2.88	17.12		Caution, narrow and exposed in places

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	1.51	18.63		Caution
	.07	18.70		End Stage, return to channel 18
10 minutes		19.52		Bridge
		19.83		L
		19.88		Stage 17 Start (Lynch Lake) Rough and wet
	1.45	21.33		Bumps next .2 mile
	1.11	22.44		End Stage
20 minutes		22.57		BR on Mainline
		23.77		Bridge
		25.27		Bridge, caution
		25.33		BR
		30.17/ 0.00		BL on spur 30, caution opposing traffic
		1.08		BR
		1.33		S
		2.32		BL
		2.37		Stage 18 Start (Cascade Lookout)
	.36	2.73		BL

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	1.77	4.50		KL
	.31	4.81		Exposure
	.38	5.19		BR into right sweeper
	.77	5.96		AL !
	1.45	7.41		Deceptive left, caution exposure !!
	.25	7.66		Deceptive left, bad exposure !!
	.54	8.20		KR
	1.41	9.61		End Stage
		9.71		BR, caution opposing traffic
		9.94		KL
		11.01		KL, then L on Mainline
25 minutes		16.19		L to Spur 10 gate (controlled) Service area, but only 10 minutes to spare this time through.
		16.32/ 0.00		S at STOP across county road through gate, then follow Mainline
		1.22		KR
		1.32		Bridge, then BR

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
		1.97		Bridge
		2.66		KL, Stage 19 Start (Lake Hancock)
	.97	3.63		Caution, jogs left over crest
	.84	4.47		KL
	.64	5.11		Caution quick right after left jog
	.39	5.50		KL
	.30	5.80		Caution sweep right
	.76	6.56		KL, then sweep right, exposure
	.20	6.76		KL
	.15	6.91		L at "4250"
	.25	7.16		KL at "4260"
	.18	7.34		Caution hard right, exposure on left
	.43	7.77		KR at "4270"
	.10	7.87		S

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.13	8.00		L
	.27	8.27		YUMP, caution landing uphill
	.33	8.60		KL
	.19	8.79		End Stage, caution exposed next mile
		10.18		HPL, caution !
		10.61		KL, caution, there could be opposing local traffic next 4 miles.
		11.01		BL
		11.36		KL
		11.59		KR
		12.21		KL
30 minutes		13.51		S, caution opposing traffic
		13.60		Bridge
		14.93		Gate (controlled), then S.
		15.04		Spur 10 gate (controlled) Service area, 15 minutes allowed
		15.05		L on Mainline
		15.60/ 0.00		R to 3700

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
		.06		Stage 20 Start (3700 - J Line)
	.48	.54		KL
	1.07	1.61		Rough
	1.10	2.71		BL, road deteriorates
	.59	3.30		Caution !
	2.24	5.54		BL caution BUMP, then L and relax
	.56	6.10		KL
	3.19	9.29		End Stage
5 minutes		9.41		Gate, then R onto Mainline
		9.83/ 0.00		L on 2100 spur
		.26		Stage 21 Start (2100)
	.65	.91		R
	.17	1.08		KL then L
	.24	1.32		KL

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.27	1.59		BL at "2000"
	.50	2.09		R
	.19	2.28		KL
	.27	2.55		KR
	.14	2.69		BL
	.50	3.19		L
	.12	3.31		KL
	1.29	4.60		AR
	.21	4.81		AL, End Stage
10 minutes		4.86		R on Mainline, caution opposing traffic
		9.47/ 0.00		L to 3800 spur
		.04		Stage 22 Start (3800)
	.13	.17		KR
	.19	.36		KL

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
	.41	.77		BR
	.87	1.64		KL, caution don't hit bee hives
	1.63	3.27		KL
	.80	4.07		End Stage
5 minutes		4.40		AR
		4.44		Bridge
		4.60		L, Stage 23 Start (Tokul Creek)
	.50	5.10		BL
	2.94	8.04		KL
	.40	8.44		R
	.49	8.93		AL !
	.41	9.34		L
	.49	9.83		L
	.46	10.29		R
	.41	10.70		End Stage

Nor'wester Auto Rally
Route Instructions

TIME ALLOWED	INCR MILES	MILEAGE	ALPINE	INSTRUCTION
		10.79		Gate (Please close this behind you)
		10.93 /0.00		L at pavement, the route from here is open for service.
		.31		R at STOP
		1.68		AL at STOP, please watch your speed
40 minutes		3.53		R
		4.20		S at STOP, then R at STOP onto I-90 west
		16.94		R at exit 15 (mileage approximate due to construction).
		17.30		R at STOP
		17.41		BR
		17.50		R into Holiday Inn, please check in at the open control and turn in scorecards.
				Help yourselves to coffee and doughnuts (provided by AutoVia Motorcar Accessories) in the cocktail lounge. Results will be posted as they come in, awards will be presented there at 9:00 am. The Holiday Inn's restaurant opens at 6:00 am.

PLEASE DO NOT FOLD

Rainier Auto Sports Club

TOTAL POINTS THIS CARD

CAR NUMBER

DRIVER: _____

NAVIGATOR: _____

CLASS/SEED: _____

CONTROL#	1S	1F	2S	2F	3S	3F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: : 00	: : 00	: : 00	: : 00	: : 00	: : 00
ELAPSED TIME						
ALLOWED TIME	25:00	—	10:00	—	20:00	—
DIFFERENCE						
POINTS						

CONTROL#	4S	4F	5S	5F	6S	6F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: : 00	: : 00	: : 00	: : 00	: : 00	: : 00
ELAPSED TIME						
ALLOWED TIME	25:00	—	5:00	—	10:00	—
DIFFERENCE						
POINTS						

CONTROL#	7S	7F	8S	8F	9S	9F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: : 00	: : 00	: : 00	: : 00	: : 00	: : 00
ELAPSED TIME						
ALLOWED TIME	5:00	—	30:00	—	35:00	—
DIFFERENCE						
POINTS						

PLEASE DO NOT FOLD

Rainier AUTO SPORTS CLUB

TOTAL POINTS THIS CARD

CAR NUMBER

DRIVER: _____

NAVIGATOR: _____

CLASS/SEED: _____

CONTROL#	10S	10F	11S	11F	12S	12F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: :00	: :00	: :00	: :00	: :00	: :00
ELAPSED TIME						
ALLOWED TIME	20:00	—	5:00	—	10:00	—
DIFFERENCE						
POINTS						

CONTROL#	13S	13F	DINNER		14S	14F
IN TIME	: :	: :	: :		: :	: :
OUT TIME	: :00	: :00	: :00		: :00	: :00
ELAPSED TIME						
ALLOWED TIME	20:00	—	10:00		10:00	—
DIFFERENCE						
POINTS						

CONTROL#	15S	15F	16S	16F	17S	17F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: :00	: :00	: :00	: :00	: :00	: :00
ELAPSED TIME						
ALLOWED TIME	10:00	—	10:00	—	10:00	—
DIFFERENCE						
POINTS						

PLEASE DO NOT FOLD

Rainier Auto Sports Club

TOTAL POINTS THIS CARD

CAR NUMBER

DRIVER: _____

NAVIGATOR: _____

CLASS/SEED: _____

CONTROL#	18S	18F	19S	19F	20S	20F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: :00	: :00	: :00	: :00	: :00	: :00
ELAPSED TIME						
ALLOWED TIME	20:00		25:00		30:00	
DIFFERENCE						
POINTS						

CONTROL#	21S	21F	22S	22F	23S	23F
IN TIME	: :	: :	: :	: :	: :	: :
OUT TIME	: :00	: :00	: :00	: :00	: :00	: :00
ELAPSED TIME						
ALLOWED TIME	5:00		10:00		5:00	
DIFFERENCE						
POINTS						

CONTROL#	FINNISH					
IN TIME	: :					
OUT TIME	:00					
ELAPSED TIME						
ALLOWED TIME	40:00					
DIFFERENCE						
POINTS						